

U.S. Patent Application Serial No. 10/627,866
Amendment filed August 18, 2005
Reply to OA dated February 23, 2005

AMENDMENTS TO THE CLAIMS

Please amend claims 4 and 5, as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) An ultraviolet-curable ink composition for ink jet recording, comprising titanium oxide, a polymeric dispersant having a basic functional group, a photopolymerizable compound and a photopolymerization initiator, wherein the titanium oxide is surface-treated with silica and alumina and the weight of the silica, which coexists with the titanium oxide, is larger than that of the alumina.
2. (Original) The ultraviolet-curable ink composition for ink jet recording according to claim 1, wherein the weight of the silica, which coexists with the titanium oxide, accounts for 2% by weight or more of the weight of the titanium oxide.
3. (Original) The ultraviolet-curable ink composition for ink jet recording according to claim 1 or 2, which contains a photopolymerizable compound which dissolves the polymeric dispersant.
4. (Currently amended) The ultraviolet-curable ink composition for ink jet recording according to claim 1 or 2 ~~3, which contains~~ wherein the photopolymerizable compound is a (meth)acrylate ~~which dissolves the polymeric dispersant.~~

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5. (Currently amended) The ultraviolet-curable ink composition for ink jet recording according to claim 4, ~~which contains~~ wherein the photopolymerizable compound is 2-hydroxy-3-phenoxypropyl acrylate as the (meth)acrylate ~~which dissolves the polymeric dispersant.~~

6. (Original) The ultraviolet-curable ink composition for ink jet recording according to claim 3, which does not substantially contain a non-reactive organic solvent.

7. (Original) The ultraviolet-curable ink composition for ink jet recording according to claim 6, which contains polyurethane (meth)acrylate.

8. (Original) The ultraviolet-curable ink composition for ink jet recording according to claim 7, wherein the polyurethane (meth)acrylate is polyurethane (meth)acrylate synthesized from polyisocyanate and hydroxy (meth)acrylate.